

CALFED Post-Processing Spreadsheets
Status Update
January 23, 1997

Refinements

- Revised logic structure to recompute Delta export constraints prior to each storage component operation.
- Revised aqueduct capacity constraint logic.
- Refined logic to provide more efficient sharing of storage facility conveyance capacity between water supply and environmental storage shares.
- Added optional initial delivery re-computation process to determine potential deliveries based on demand pattern differences with base DWRSIM run prior to operation of new storage facilities.
- Added environmental supply component to South of Delta storage facilities.
- Added evaporation loss calculation for In-Delta and South-of-Delta surface storage facilities.
- Added user-defined input factor for specifying fraction of indirect ground water recharge accounted as loss from Sacramento River flows.
- Added user-defined input factor for a simplified storage carryover routine.

Planned Uses

The post-processing spreadsheets will be used to determine trends to direct future DWRSIM studies. Results of upcoming DWRSIM runs including new storage facilities will be used to measure the validity of the spreadsheet results. In the near future, the spreadsheets will be used to provide an initial evaluation of the water supply reliability and environmental benefits of new storage facilities as related to:

- Storage Capacity
- Storage Inflow/Outflow Conveyance Capacity
- Storage Diversion Constraint Criteria
- Level of Demand
- Environmental Targets
- Delta Pumping Plant Capacity